

## Sales and Service

### Production Discontinuation of SSCNET I/F Boards/Cards for Communication with Motion Controllers

Thank you for your continued patronage of the Mitsubishi servo system controllers and FA products. The SSCNET I/F boards (A30BD-PCF and A10BD-PCF), the SSCNET I/F card (A30CD-PCF), and their connection cables for communication with the A series and Q series Motion controllers have been on market for a long time since their launch in 1996. However, the production of the above products will be discontinued because we have difficulty in obtaining components for these products. We ask for your understanding in this matter.

#### 1. Target Models

Table 1. Target Models

Model	Item
A30BD-PCF	SSCNET I/F board (ISA standard-compliant)
A10BD-PCF	SSCNET I/F board (PCI standard-compliant)
A30CD-PCF	SSCNET I/F card (PCMCIA standard-compliant)
Q170BDCBL□M	SSCNET I/F board cable
Q170CDCBL□M	SSCNET I/F card cable

Note 1. The production of packaged products including the above items will also be discontinued.  
 2. A symbol "□" indicates a cable length.

#### 2. Production Discontinuation

December 2016

Orders will be accepted through December 31, 2016.

#### 3. Repair Acceptance and Parts Supply

Through December 2023

Repairs and parts orders will be accepted through December 31, 2023.

#### 4. Reasons for Discontinuation

The major electronic components of the SSCNET I/F boards/cards are semiconductor components (microcomputers, memories, ASICs, etc.). In recent years, due to refinement of manufacturing processes for these semiconductor components and further requirement to comply with regulatory standards such as environmental standards, we have difficulty in constantly obtaining the conventional components.

The production has been continued by taking measures such as ensuring the stocks of the discontinued components. However, the remaining stocks are getting scarce and it is getting more difficult to maintain the production and quality systems in the future.

Moreover, personal computers with an ISA, PCI, or PCMCIA interface, which is compatible with the SSCNET I/F board/card, are now obsolete.

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## 5. Models Compatible with the SSCNET I/F Boards/Cards

Table 2. List of compatible Motion controllers and personal computer-side communication methods

Series	Model	Motion controller-side communication method	SSCNET I/F board/card	Personal computer-side communication method
A series Motion controller (small type) (hereinafter A series Motion) Note. The production of the above controller has been already discontinued.	A171SHCPUN A172SHCPUN A173UHCPU A173UHCPU-S1	Computer link by SSCNET	A30BD-PCF	ISA
			A10BD-PCF	PCI
			A30CD-PCF	PCMCIA
		RS-422		RS-232C
Q series Motion controller compatible with SSCNET (hereinafter QN series Motion)	Q172CPUN Q173CPUN Q172CPUN-T Q173CPUN-T	Computer link by SSCNET	A30BD-PCF	ISA
			A10BD-PCF	PCI
			A30CD-PCF	PCMCIA
		USB	USB	
		RS-232C	RS-232C	
Q series Motion controller compatible with SSCNET III (hereinafter QH series Motion)	Q172HCPU Q173HCPU Q172HCPU-T Q173HCPU-T	Computer link by SSCNET	A30BD-PCF	ISA
			A10BD-PCF	PCI
			A30CD-PCF	PCMCIA
		USB	USB	

## 6. Change of I/F or Replacement of Motion Controller

Since the production of the SSCNET I/F boards/cards will be discontinued, consider changing the relevant I/F or replacing with the latest Motion controller by referring to the following method (1) or (2).

### (1) Changing the relevant I/F to a serial I/F

If you change the relevant I/F to a serial I/F (such as RS-232C and USB) of the current controller, check that the communication speed does not affect operation because the speed is lower than that of the SSCNET communication.

Table 3. Changing the relevant I/F to a serial I/F (Before change)

Series	Motion controller-side communication method	SSCNET I/F board/card	Personal computer-side communication method
A series Motion QN series Motion QH series Motion	Computer link by SSCNET	A30BD-PCF	ISA
		A10BD-PCF	PCI
		A30CD-PCF	PCMCIA



Table 4. Changing the relevant I/F to a serial I/F (After change)

Series	Motion controller-side communication method	SSCNET I/F board/card	Personal computer-side communication method
A series Motion	RS-422	Not required	RS-232C
QN series Motion	USB	Not required	USB
	RS-232C	Not required	RS-232C
QH series Motion	USB	Not required	USB

(2) Replacement with the latest Motion controller

Replacing the current Motion controller with the latest one achieves high-speed communication via Ethernet.

When replacing with the latest Motion controller, it is required to replace associated products, such as PLC CPU module and base unit. Consider replacement by referring to the transition handbook provided below.

Table 5. Replacement with the latest controller (Before replacement)

Series	Motion controller-side communication method	SSCNET I/F board/card	Personal computer-side communication method
A series Motion QN series Motion QH series Motion	Computer link by SSCNET	A30BD-PCF	ISA
		A10BD-PCF	PCI
		A30CD-PCF	PCMCIA



Table 6. Replacement with the latest controller (After replacement)

Series	Motion controller-side communication method	SSCNET I/F board/card	Personal computer-side communication method
SSCNET III/H compatible Q series Motion controllers • Q173DSCPU • Q172DSCPU	PERIPHERAL I/F (Ethernet)	Not required	Ethernet

Note. Download the transition handbook from the following website for replacement.  
 MITSUBISHI ELECTRIC FA Global website (<http://www.MitsubishiElectric.com/fa/>)  
 Download > Catalogs > Controllers > Motion Controllers  
 • Transition from A17nSHCPUN/A173UHCPU Series to Q Series Handbook

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